

Date: Wed, 19 May 93 09:06:15 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #605  
To: Info-Hams

Info-Hams Digest                      Wed, 19 May 93                      Volume 93 : Issue    605

Today's Topics:

ARRL Bulletin 55 ARLB055  
ARSENE Element Set #6  
Buy back 11 Meters (2 msgs)  
Callsign Administrator...  
Don't get ripped off by a G5RV  
Fox Tango Filters  
Going about building your first transceiver??  
Manual for Drake receivers  
Mininec  
Mobile antenna mount question  
Quad vs Yagi  
Signal report etiquette  
Timewave Technology Inc. DSP  
uMatic Keyer  
Why do they DO that?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 19 May 1993 14:41:55 GMT  
From: sdd.hp.com!saimiri.primate.wisc.edu!zaphod.mps.ohio-state.edu!  
howland.reston.ans.net!darwin.sura.net!haven.umd.edu!cville-srv.wam.umd.edu!  
ham@network.UCSD.EDU  
Subject: ARRL Bulletin 55 ARLB055  
To: info-hams@ucsd.edu

>>An administrator must enter into a written agreement with the FCC

>>and public notices will be issued listing the administrators. To be  
>>an administrator, the organization must exist for the purpose of  
>>furthering the amateur service. Its membership must include at  
>>least one percent of the amateur operators licensed by the FCC,  
>  
>So, out of curiosity, how many organizations qualify? That's, what, 5000  
>members? I assume there's more than one organization with that many members,  
>so this probably isn't a sneaky way of making the ARRL the only special  
>callsign administrator.

Actually, you could include:

W5YI-VEC (at LEAST 13000 VE's registered)  
10-10 International, with far greater than 5000 in the US  
QRP ARCI, maybe?

And maybe a few others? Actually, one percent is like 6,000 now, but  
remember that people (like myself, W5YI-VE and ARRL member) can belong  
to MORE than one organization.

--

73,

-----  
                                  \ / Long  
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live  
  
WAC CW/SSB WAS 84% of the way to DXCC -----| Dipoles!

-----  
Date: 19 May 93 15:17:07 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ARSENE Element Set #6  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT <N3FKV \$ORBS-139.S  
ARSENE Element Set #6

HR AMSAT ORBITAL ELEMENT SET #6 FOR ARSENE  
FROM N3FKV HEWITT, TX May 19, 1993  
BID: \$ORBS-139.S

First Post Apogee Kick Burn.  
Congratulations to the ARSENE Team!

TO ALL RADIO AMATEURS BT

Satellite: ARSENE

Catalog number: 22654  
Epoch time: 93137.48958333  
Element set: 6  
Inclination: 1.0600 deg  
RA of node: 131.6586 deg  
Eccentricity: 0.2871880  
Arg of perigee: 137.7750 deg  
Mean anomaly: 108.0700 deg  
Mean motion: 1.40134121 rev/day  
Decay rate: -5.0e-07 rev/day^2  
Epoch rev: 14  
Checksum: 246

/EX

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Date: 19 May 1993 14:14:51 GMT  
From: swrinde!gatech!howland.reston.ans.net!darwin.sura.net!haven.umd.edu!cville-srv.wam.umd.edu!ham@network.UCSD.EDU  
Subject: Buy back 11 Meters  
To: info-hams@ucsd.edu

I only have one problem with the "Death to CB" thread going on here, and the general distaste for CB. While much of the stuff going on within the 11 meter band is vulgar, obscene, and distasteful, there is also:

- 1) Truck to truck communications, which make long-distance hauling a considerably easier, more pleasant, and safer proposition for everybody who uses the road.
- 2) The fact that truckers, who are a major player in the use of 11 meters, use it to help people who are driving cars equipped with CB's.
- 3) The fact that CB is a cheap, quick-and-dirty way to make emergency communications, and could also be viewed as a resource if one chose to. Notice that you can't get an "emergency 10 meter ham radio kit with collapsible antenna" for \$40 anywhere.
- 4) A way to get into 2-way communications (like ham radio) with very little investment. If a CB was your first radio, raise your hand.

Leave the Citizen's Band alone. We're allowed to use it too!

--

73,

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\ / Long

Scott Rosenfeld   Amateur Radio NF3I   Burtonsville, MD   |   Live

WAC CW/SSB   WAS   84% of the way to DXCC \_\_\_\_\_ | Dipoles!

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Date: 19 May 1993 14:27:13 GMT  
From: usc!howland.reston.ans.net!europa.eng.gtefsd.com!slc20!  
wwhitby@network.UCSD.EDU  
Subject: Buy back 11 Meters  
To: info-hams@ucsd.edu

I monitor channel 9 on my base station CB and the only complaint I have is the great number of people who abuse that channel by using it for their personal communications! It gets so bad that I have to shut my CB off or turn up the squelch so high that I miss most of what I want to hear. Use channel 9 for emergencies and assistance only! The people who abuse CB's are the ones that give the rest of us a bad name.

Just my \$.02 worth.

73  
Warren Whitby

-----

Date: 19 May 93 12:53:23 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Callsign Administrator...  
To: info-hams@ucsd.edu

>bulletin@n8emr.cmhnet.org (Automatic packet bulletin poster) writes:  
>>An administrator must enter into a written agreement with the FCC  
>>and public notices will be issued listing the administrators. To be  
>>an administrator, the organization must exist for the purpose of  
>>furthering the amateur service. Its membership must include at  
>>least one percent of the amateur operators licensed by the FCC,  
>  
>So, out of curiosity, how many organizations qualify? That's, what, 5000  
>members? I assume there's more than one organization with that many members,  
>so this probably isn't a sneaky way of making the ARRL the only special  
>callsign administrator.

It'd be more than 6,000 right now...it's probably such that you can be sure there's enough membership to make sure that the administrator is in the plan for the long term.

It also appears that there can be more than 1 (expect league to do foot dragging on this if it looks like there's going to be competition, but then Wilson might just decide to jump on this ...)

would be superbly ironic if W2NSD were to set up an organization, meet the requirements and become a callsign admin ahead of the league - but i guess he's too busy with IMPS and his other music projects right now to do much more than get the editorials into 73. wonder if W6TNS would be into this?

bill wb9ivr

-----  
Date: Wed, 19 May 1993 13:26:53 GMT  
From: usc!howland.reston.ans.net!gatech!mailer.cc.fsu.edu!geomag!  
zateslo@network.UCSD.EDU  
Subject: Don't get ripped off by a G5RV  
To: info-hams@ucsd.edu

In article <May18.193813.36974@yuma.ACNS.ColoState.EDU>  
galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:

[ discussion of G5RV coax loss deleted ]

>  
>Yeah, and I have to worry about the open line presenting high voltages  
>to innocent bystanders, passing the open line into my shack.....  
>  
>What I have works. I think I got my money's worth, and I enjoy using it.  
>  
>It really makes me sad when people decide that some piece of equipment  
>doesn't meet their standards and they proceed to tell everybody that it's  
>junk when a lot of people get good or better results with it. It's come  
>to the point where everything is a big competition and nobody has any fun.  
>I thought it was AMATEUR radio.  
>

As somebody else said the other day here, you can get good results with very imperfect antennas. That doesn't mean you shouldn't use them, but it also doesn't mean we shouldn't discuss their shortcomings and try to make them better.

This discussion is a good case in point. If some hams have tuners, and have no problem running open wire into the shack, they will do better running the open wire all the way from the antenna to the tuner, even with a 102' flat top. If they have to (or just want to) run coax into the shack, it'll still work, and will probably work pretty well. It just won't work as well as the open wire.

Almost every ham antenna is a compromise. It's important that we know what compromises we live with. I \_don't\_ think that article titles like "G5RV: Ripoff" help the learning process (unless we're discussing something like the "Maxcom" device with the dummy load inside).

Ted Zateslo, W1X0  
zateslo@geomag.gly.fsu.edu

-----  
Date: 19 May 93 14:16:31 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Fox Tango Filters  
To: info-hams@ucsd.edu

Fox Tango was bought out by, I think it was, International Radio of Port St. Lucie, Florida. I'll see if I can find an address and phone number for them. I think they may still be listed in the supplier addresses in the ARRL Radio Amateur's Handbook.

73,

Dave Williams, NN2D

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Date: Wed, 19 May 1993 13:28:44 GMT  
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!newsserver.jvnc.net!yale.edu!news.yale.edu!hilbert.chem.yale.edu!oswood@ames.arpa  
Subject: Going about building your first transceiver??  
To: info-hams@ucsd.edu

In article <1t8qn6INN8n8@mojo.eng.umd.edu>, chuck@eng.umd.edu (Chuck Harris - WA3UQV) writes:  
:>In article <1993May12.063027.15378@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman) writes:  
:>  
:> Not sure what you mean here. I'd gladly jump out of a swimming pool and  
:>grab my 12V, 800A car battery, one terminal in each hand...  
|> If you want to do the real demonstration, you will have to badly cut your  
|> elbow on the body of your car, and simultaneously drive your palm into a  
|> sharp 12v battery terminal (the starter solenoid will do). Your heart  
|> will stop.

Now, I'm still just a medical student, so you may not consider this an expert medical opinion, but I would not recommend either of the above activities as being conducive to good health and long life. It is true that low voltages are

usually safe on bare intact skin since the resistance of the skin is great enough to prevent a damaging current from flowing. It seems that the safest rule is to work on a circuit with no power applied and after shorting any large capacitors. If you must apply power, then don't wear metal jewelry, use insulated tools, and keep one hand firmly tied behind your back.

-----  
Mark C. Oswood N1NXW/AA      oswood@psun.chem.yale.edu  
                                 or    moswood@biomed.bitnet

-----  
Date: Wed, 19 May 93 08:51:13 EST  
From: vnet.IBM.COM@uunet.uu.net  
Subject: Manual for Drake receivers  
To: info-hams@ucsd.edu

I am needing copies or photocopies for R3 and R4 Drake receivers.  
I would appreciate information on how and from where to get them.

73 de

Hugo (OA4HV)  
Lima, Peru  
hugo@vnet.ibm.com

-----  
Date: 19 May 93 14:17:49 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mininec  
To: info-hams@ucsd.edu

> Date: 19 May 1993 07:53:08 GMT  
> From: olivea!inews!ilx018.intel.com!ilx049!dbraun@uunet.uu.net  
> Subject: MININEC  
> To: info-hams@ucsd.edu  
>  
> I ftp'ed myself a copy of MININEC3 (The antenna analysis program) for  
> PCs. Is there a version of this that runs on Unix? The program  
> is written in BASIC (ugh), but I don't know if it was originally in FORTRAN,  
> or if someone has since translated it to FORTRAN or some other language.  
> -----  
> Doug Braun                (N10WU)  
> Email:                    dbraun@iil.intel.com

Did you get Mininec via anonymous ftp? If so, which system/directory? I'd like to get a copy.

Thanks.

Stanley D. Boyd(kc4zgf)      Business: (205)730-3135  
Intergraph Corporation      Fax:    (205)730-3301  
Mailstop: GD3005      Email:    sdboyd@afsp.b30.ingr.com  
Huntsville, AL 35894-0001

-----  
Date: 19 May 1993 15:19:54 GMT  
From: sun-barr!west.West.Sun.COM!l1-a!flloyd@decwrl.dec.com  
Subject: Mobile antenna mount question  
To: info-hams@ucsd.edu

In article <1tbcu5\$ssi@pyrtech.mis.pyramid.com> andrem@pyrtech.mis.pyramid.com  
(Andre Molyneux) writes:

>  
>I'm trying to locate an antenna mount with the following attributes  
>(if such a beast exists - I'm asking for a lot):  
>  
>    For use with ATV transmitters around 430 MHz  
>  
>    Is \*not\* a mag-mount  
>  
>    Can be moved from car to car within minutes  
>  
>    Does not require drilling holes  
>  
>    Can attach to areas like trunk lips or hatch-backs  
>  
>Any suggestions?  
>

Yes, try a rubber duck.

-fred

[ Fred Lloyd, AA7BQ	Fred.Lloyd@West.Sun.COM ]
[ Sun Microsystems,	Systems Engineer ]
[ Phoenix, AZ	(602) 224-3517 ]

-----  
Date: 19 May 93 14:56:33 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Quad vs Yagi



To: info-hams@ucsd.edu

This is the second post of this message because I'm not sure I did the first right so please excuse me for the wasted bandwidth in case you already received it.

Ciao,

I'm considering to buy a beam and some days ago I had the chance to take a look to a Cubex Quad (mod. MK5-PTD3 five bands/3 el) antenna tech specs. Actually, since I always thought to buy a yagi, I never took under serious consideration a quad and I was pretty amazed by the on-the-paper performance. Infacts, its gain is rated 11-13 dbISO, F/B 35-40 db and a very low rotating radius (and that's just great for my QTH). I'm wondering if any of you guys out there can give me any advice on this ant or, more generally, whether quads work better than yagis under any condition or there is a trade off like more weakness to the wind, etc. etc.

I would also appreciate any comment/suggestion on other makes, or even any kind of ant that can rotate with radius of about 4 meters with a good gain. Height is not a problem since the tower can be almost as high as I want with a minimum of pain.

73, Marco

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-----  
Marco Fassiotto - IX1IIY      |  
Software Engineer             |  
P.O. Box 19                   | Packet    : ix1iiy@ik1brm.iv.to.ita.eu  
10018 Pavone (TO) - ITALY     | INTERNET : fax@sparc4.ico.olivetti.com  
-----
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-----  
Date: 19 May 93 14:25:06 GMT  
From: sdd.hp.com!ux1.cso.uiuc.edu!howland.reston.ans.net!gatech!concert!duke!  
news.duke.edu!ee.egr.duke.edu!jbs@network.UCSD.EDU  
Subject: Signal report etiquette  
To: info-hams@ucsd.edu
```

lapin@casbah.acns.nwu.edu (Gregory Lapin) writes:

>

>Has anyone else noticed that everyone gets 59 reports from DX stations?

Oops. Am I breaking some sort of unwritten ham law? I just sent out my first 8 QSL cards, and only one of them had "5x9" noted. Most of the rest were around 3x1. Will this insult the recipients? Guidance appreciated; I'm new to HF.

-joe KD4LLV

--

You spend the night  
Like you were spending a dime  
- Lyle Lovett

-----  
Date: Wed, 19 May 1993 13:05:01 GMT  
From: swrinde!emory!europa.eng.gtefsd.com!news.ans.net!newsgate.watson.ibm.com!  
yktnews.watson.ibm.com!sernews!news@network.UCSD.EDU  
Subject: Timewave Technology Inc. DSP  
To: info-hams@ucsd.edu

Does anyone have information on the Timewave DSP-9 or DSP-59 units?

These two units have been advertised in the HAM mags for the last few months.

Thanks,

\*\*\*\*\*  
\* Michael Crowder \* KB4LFH @ K4IWW.NC.USA.NA \*  
\* International Business Machines \* AX.25 Amateur Radio \*  
\* Dept E09A, Building 061 \* \*  
\* Research Triangle Park \* kb4lfh.ampr.org (44.74.1.66) \*  
\* North Carolina 27709 \* TCP/IP Amateur Radio \*  
\* \* \*  
\* \* kb4lfh@vnet.ibm.com \*  
\* \* Internet \*  
\*\*\*\*\*

-----  
Date: 19 May 93 11:05:08 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: uMatic Keyer  
To: info-hams@ucsd.edu

Last week I asked for information about repairing the Heath  
uMatic Keyer. I would like to thank everyone that sent me  
mail and I will summarize all the information here

The number for Heath parts is (616)925-5899.

The part number for the 3870 chip is #444-69 and is  
available for \$19.05 and several are in stock.

I was able to bring my keyer back to life by cleaning the

pc board.

73 -- marty -- nr3z

skitch@nadc.navy.mil

-----  
Date: Tue, 18 May 1993 15:52:53 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!clark!pacifier!

mikef@network.UCSD.EDU

Subject: Why do they DO that?

To: info-hams@ucsd.edu

In article <5s4L4B1w165w@lakes.trenton.sc.us> jcox@lakes.trenton.sc.us (John Cox) writes:

>rcomm@muvms6.wvnet.edu writes:

>

>> I have been reading quite a lot here about how various HT's and scanners and  
>> such are modify-able. As the HTs are concerned, a user may modify the radio  
>> transmit outside of designated amateur bands. My question is WHY do  
>> manufacturers knowingly engineer and manufacture radios that can do this? Is  
>> it to satisfy the ham's incurable urge to tinker? (i.e. they know hams are  
>> going to mess with something, so they provide 'hidden' features so that messe  
>> don't REALLY mess up their radio!) Or is there some practical reason that  
>> prevents them from engineering a synthesized-tuning radio that can only  
>> synthesize ham freqs from the chip level? WHY? WHY? WHY?

>>

>I would hope that the reason is to accomodate Civil Air Patrol (CAP) and  
>Military Affiliate Radio System (MARS) users. These services use  
>frequencies adjacent to the 2m band, both above and below. As a  
>long-time USAF MARS member, I would not buy a radio that was not  
>modifiable for MARS transmit.

>

I share your hope :-)! However, I am compelled to observe that  
if the number of requests for out-of-band HT mods is any indication,  
we'll have enough trained communicators to last thru 2050 without  
anyone new having to join MARS or CAP :-)!  
--

Mike Freeman		Amateur Radio Callsign: K7UIJ
301 N.E. 107th Street		Internet: mikef@pacifier.rain.com
Vancouver, WA 98685 USA		GEnie: M.FREEMAN11
Telephone (206)574-8221		Pushing 40 is exercise enough!

-----  
Date: Wed, 19 May 1993 12:32:18 GMT

From: usc!howland.reston.ans.net!darwin.sura.net!rsg1.er.usgs.gov!

resdgs1.er.usgs.gov!tbodoh@network.UCSD.EDU

To: info-hams@ucsd.edu

References <SBROWN.93May17060843@charon.dseg.ti.com>, <eesnyder.737647522@beagle>,  
<C79BzH.4LM@athena.cs.uga.edu>?

Subject : Re: Why do they DO that?

In article <C79BzH.4LM@athena.cs.uga.edu>, mcovingt@aisun3.ai.uga.edu (Michael Covington) writes:

```
|>
|> Why enable out-of-band transmit?
|>
|> (1) To work into a transverter (i.e., change the frequency after it comes
|> out of the HT, typically into a microwave band or something exotic like that).
|>
|> (1.5) To use the HT as a signal generator for testing purposes.
|> (E.g., work into a dummy load to test public service receivers.)
|>
|> (2) Sometimes the ham is a fireman or policeman and would like the ability
|> to transmit on the fire or police frequency in an emergency. NOT LEGAL except
|> in bona fide emergencies, because ham equipment is not type accepted for use
|> in other radio services. Still, the reasoning is, "I own this radio, and
|> I _may_ need to use it that way, so I should enable it."
|>
|> (3) Sometimes the ham is _not_ a fireman or policeman, but nonetheless
|> figures that in a sufficiently serious emergency, he might benefit from
|> being able to transmit on a fire or police frequency.
|>
|> But mostly it's the Urge to Tinker.
|> --
```

I have been modifying scanners for years and am convinced that radio manufactueres understand that there is an increased market appeal for those radios that are modifyable. I'm sure Radio Shaft is well aware of the nearly cult following of the PRO-2004/5/6 and I would bet that any follow-on scanner will have things to tinker with. As a secondary benefit - it voids your warantee and makes more income for their repair center especially when some screwdriver jockey decides that he can tune a radio better than they can - simply by trying every screw in sight! Bye...

```
|> :- Michael A. Covington, Associate Research Scientist      :      *****
|> :- Artificial Intelligence Programs      mcovingt@ai.uga.edu :      *****
|> :- The University of Georgia             phone 706 542-0358 :      *   *   *
|> :- Athens, Georgia 30602-7415 U.S.A.    amateur radio N4TMI :      **  ***  **  <><
```

--

+++++

+ Tom Bodoh - Sr. systems software engineer

+

+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +

+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)

+

+ "Welcome back my friends to the show that never ends!" EL&P

+

+++++

-----

Date: Wed, 19 May 93 14:37:00 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!headwall.Stanford.EDU!

nntp.Stanford.EDU!umunhum!paulf@network.UCSD.EDU

To: info-hams@ucsd.edu

References <1993May13.055429.14691@physics.unr.edu>, <1t5ckaINNogk@rodan.UU.NET>,  
<1t5o70\$fan@network.ucsd.edu>nhum

Subject : Re: Benefits of CW

In article <1t5o70\$fan@network.ucsd.edu> brian@network.ucsd.edu (Brian Kantor)  
writes:

>Actually, Mike, you forgot to mention the other communications technology  
>that kept working in the Loma Prieta earthquake: telephones. Between the  
>internet and the public phone system (including cellular phones), it  
>was pretty clear that hams had little to offer the emergency services people.

That's odd, I didn't know Loma Prieta was as far south as San Diego. ;-)

Actually, we did provide several extra channels of communication for bridge  
and building inspection here on the peninsula, as well as in the Santa Cruz  
area. By far the largest role, however, was handling the H&W traffic into  
the peninsula, as AT&T lost its principal fiber trunk (which was on the Bay  
Bridge). At Stanford, we were doing H&W traffic nonstop for three days.

--

-=Paul Flaherty, N9FZX | "The National Anthem has become The Whine."

->paulf@Stanford.EDU | -- Charles Sykes, \_A Nation of Victims\_

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End of Info-Hams Digest V93 #605

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